



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.2910

Job Sheet 213983



Part No: 646.2910

Job Qty: 12 pcs

Part Name: Deflector



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/13/20

Job Tracking No:

Due Date: 10/29/20

Created By: Marie Lajeunesse

Type: Stock

Description: SIOP

Note: DWG 646.2900 REV:N/C IPP REV A 18.05.01 RQ VERIFIED BY DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	12 pcs	10/16/20	10/16/20	0.00	0.02	Bandsaw - 1		DAS 33 20/10/21 9-89
110	HAAS 4 Axis - B4B	12 pcs	10/19/20	10/19/20	0.15	8.00	HAAS - 1 - B4B		
							HAAS - 2 - B4B		
							HAAS - 3 - B4B		
							HAAS - 4 - B4B		
120	QC 2	12 pcs	10/19/20	10/19/20	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		



Container No: S307747



Part: 646.2910

Job No: 213983

Serial No/Batch: S307747

Revision: Rev N/C

Inspector:

Exp Date:

Instructions: Various STC's

Date

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.ca
www.dartaerospace.com

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				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 2 - 76	
				QC 2 - 86	
				QC 2 - 83	
130	QC 8	12 pcs	10/19/20	0.00 0.00	QC 8 - 12
					QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
					QC 8 - 47
					QC 8 - 40
					QC 8 - 52
					QC 8 - 23
					QC 8 - 57
					QC 8 - 76
					QC 8 - 61
					QC 8 - 66
					QC 8 - 73
					QC 8 - 82
140	Outsource - 4 - Anodize	12 pcs	10/29/20		ATG001-VC 8
150	Packaging 2-1 - Receive - B4B	12 pcs	10/29/20	0.00 0.00	Packaging 2 - 1 - B4B
					Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 -

2020-10-24

2020-10-28

NOV 04 2020

				B4B		
				Packaging 2 - 14 - B4B		
				Packaging 2 - 15 - B4B		
				Packaging 2 - 16 - B4B		
				Packaging 2 - 17 - B4B		
				Packaging 2 - 18 - B4B		
				Packaging 2 - 19 - B4B		
				Packaging 2 - 20 - B4B		
				Packaging 2 - 21 - B4B		
				Packaging 2 - 22 - B4B		
				Packaging 2 - 23 - B4B		
				Packaging 2 - 24 - B4B		
				Packaging 2 - 25 - B4B		
				Packaging 2 - 26 - B4B		
				Packaging 2 - 27 - B4B		
				Packaging 2 - 28 - B4B		
				Packaging 2 - 29 - B4B		
				Packaging 2 - 30 - B4B		
				Packaging 2 - 31 - B4B		
				Packaging 2 - 32 - B4B		
				Packaging 2 - 33 - B4B		
				Packaging 2 - 34 - B4B		
				Packaging 2 - 35 - B4B		
				Packaging 2 - 36 - B4B		
				Packaging 2 - 37 - B4B		
155	QC 6	12 pcs	10/29/20	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	
					QC 6 - 81	
					QC 6 - 82	
180	Packaging 3-1 - Stock - B4B	12 pcs	10/29/20	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Plex 10/13/20 12:39 PM	Dart.lajeunesse.marie

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					Packaging 3 - 9 - B4B					
					Packaging 3 - 10 - B4B					
					Packaging 3 - 11 - B4B					
					Packaging 3 - 12 - B4B					
					Packaging 3 - 13 - B4B					
					Packaging 3 - 14 - B4B					
					Packaging 3 - 15 - B4B					
					Packaging 3 - 16 - B4B					
					Packaging 3 - 17 - B4B					
					Packaging 3 - 18 - B4B					
					Packaging 3 - 19 - B4B					
					Packaging 3 - 20 - B4B					
					Packaging 3 - 21 - B4B					
					Packaging 3 - 22 - B4B					
					Packaging 3 - 23 - B4B					
					Packaging 3 - 24 - B4B					
					Packaging 3 - 25 - B4B					
					Packaging 3 - 26 - B4B					
					Packaging 3 - 27 - B4B					
					Packaging 3 - 28 - B4B					
					Packaging 3 - 29 - B4B					
					Packaging 3 - 30 - B4B					
					Packaging 3 - 31 - B4B					
					Packaging 3 - 32 - B4B					
					Packaging 3 - 33 - B4B					
					Packaging 3 - 34 - B4B					
					Packaging 3 - 35 - B4B					
					Packaging 3 - 36 - B4B					
					Packaging 3 - 37 - B4B					
					190 QC 21 - SA	12 pcs	10/29/20	0.00 0.00	QC 21 - SA - 21	DAS 21 9-00 NOV 10 2020
									QC 21 - SA - 70	
									QC 21 - SA - 9	
									QC 21 - SA - 77	
									QC 21 - SA - 28	
					Part Op 100 - (Bandsaw) 42.600" long Descriptions: 110 - (HAAS CNC Vertical Machine) 120 - (QC2- Inspect parts off machine FAI/FAIB)					

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130 - (QC8- Inspect parts - second check)

140 - (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : 47464 Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C

150 - (Receive & Inspect for Damage & Mat'l Certs)

155 - (QC6- All purchased or subcontracted products)

180 - (Identify as per dwg & Stock Location: _____) ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

190 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
646.2900E	Deflector	43.2000 ft (3.6 ea)	100-Bandsaw - 1	<u>5077457</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	646.2900E	43	596	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Deflector	0.360inches $\pm$ 0.010	0.370 0.350		
2	Deflector	1.320inches $\pm$ 0.010	1.330 1.310		
3	Deflector	3.300inches $\pm$ 0.010	3.310 3.290		
4	Deflector	3.000inches $\pm$ 0.010	3.010 2.990		
5	Deflector	0.360inches $\pm$ 0.010	0.370 0.350		
6	Deflector	190.000inches $\pm$ 0.010	190.010 189.990	Radius	
7	Deflector	0.090inches $\pm$ 0.010	0.100 0.080	Radius	
8	Deflector	1.000inches $\pm$ 0.010	1.010 0.990		
9	Deflector	42.380inches $\pm$ 0.010	42.390 42.370		
10	Deflector	20.000Degrees $\pm$ 0.010	20.010 19.990	Angle	

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

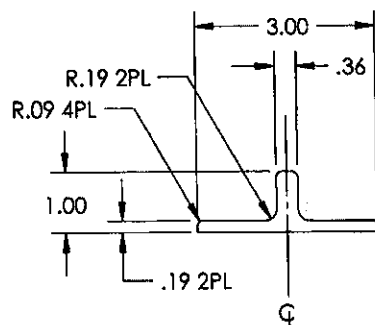
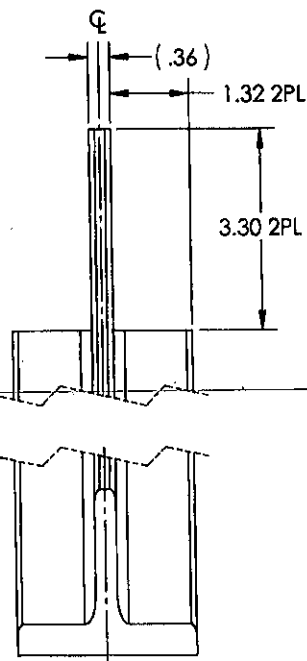
Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (Q51042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

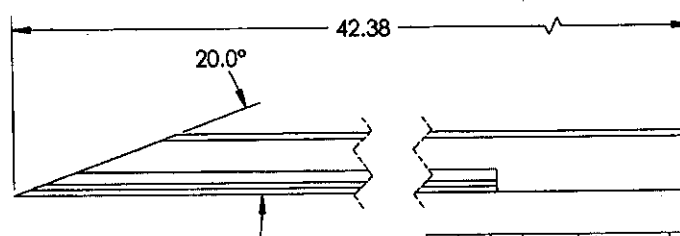
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NOTES:

- 1 MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER; PRIME IAW MIL-P-23377J TYPE I CLASS N
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120



646.2910



UNINCORPORATED ECN(s)

03207, 03694,

REV.		REVISION		DATE	APPROVED

QTY	646.2910	DEFLECTOR		
NEXT ASSY (S)	FIND #	PART #	DESCRIPTION	MATL
646.4000			DEFLECTOR	
PARTS LIST				
APICAL INDUSTRIES				
2608 TEMPLE HEIGHTS DR.				
OCEANSIDE, CA. 92056-3512 (760)724-5300				
DEFLECTOR				
UNLESS OTHERWISE SPECIFIED			REV	REV
DIMENSIONS ARE IN INCHES			B	N/C
TOLERANCES ARE			SCALE	NONE
2 PLACE DECIMALS ±.010				
3 PLACE DECIMALS ±.005				
ANGLES ±.5°				



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB047464



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE STREET
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB047464
PO Date: 10/28/20
Due Date: 11/13/20
Purchase Order Revision:
Revision Date:
Issued By: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com
Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	213989	646.3714	646.3700 Rev A	Gusset : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3700 Rev. A	Firmed - x12		11/13/20	NOV 04 2020 12 pcs	0 pcs	12 pcs	\$16.61/pcs	\$199.32
2	213988	646.3713	646.3700 Rev A	Gusset : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3700	Firmed - x12		11/13/20	NOV 04 2020 12 pcs	0 pcs	12 pcs	\$16.61/pcs	\$199.32
3	213987	646.3712	646.3700 Rev A	Clip : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed - x12		11/13/20	NOV 04 2020 12 pcs	0 pcs	12 pcs	\$6.96/pcs	\$83.52

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Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB047464



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	213983	646.2910	646.2900 Rev N/C	Deflector : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed x12	-	11/13/20	12 pcs	0 pcs	12 pcs	\$48.86/pcs	\$586.32
									NOV 04 2020			
5	213246	647.1717	647.1700 REV.F	Plate : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG :	Firmed x10	-	11/13/20	10 pcs	0 pcs	10 pcs	\$31.11/pcs	\$311.10
									NOV 04 2020			

Grand Total: \$1,379.58

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Please ensure to send the related invoice to hby_ap@dartaero.com.

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A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Pack List

Number: 921040

Date: 04-Nov-20

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

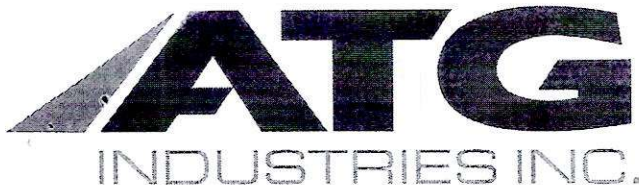
Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
12 ea	Part: 646.3714 Gusset Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot# S295580 Job: 27873 PO: PCHB047464		Rev: A Expiry Date: 04/24/2022 Line: 1
12 ea	Part: 646.3713 Gusset Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot# S295580 Job: 28346 PO: POHB047464		Rev: A Expiry Date: 04/24/2022 Line: 2
12 ea	Part: 646.3712 Clip Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 28350 PO: POHB047464		Rev: A Line: 3
12 ea	Part: 646.2910 Deflector		Rev: N/C
Made in Canada.			

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NOV 04 2020

DART AEROSPACE LTD.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 921040

Date: 04-Nov-20

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: S295580 Expiry Date: 04/24/2022 Job: 28351 Line: 4 PO: POHB047464		
10 ea	Part: 647.1717 Rev: F Plate Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: S295580 Expiry Date: 04/24/2022 Job: 28352 Line: 5 PO: POHB047464		
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>NOV 04 2020</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.			